


5 March 2024

PRELIMINARY SATELLITE-DERIVED IMPACT ASSESSMENT



Bab al-Mandab Strait, Southern Red Sea

 Status: Possible oil film observed

 Further action(s): continue monitoring



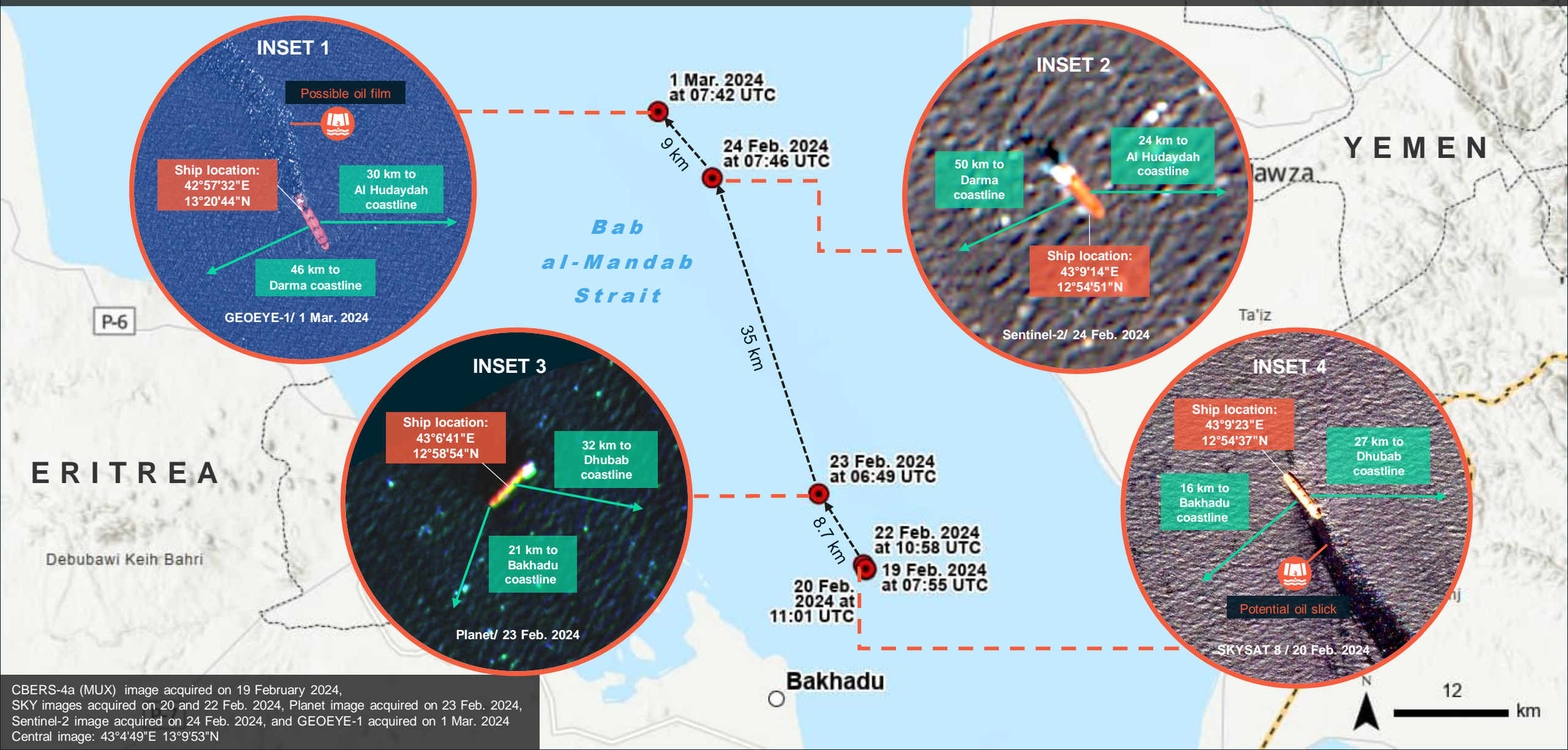
Southern Red Sea

5 March 2024



 Area of interest

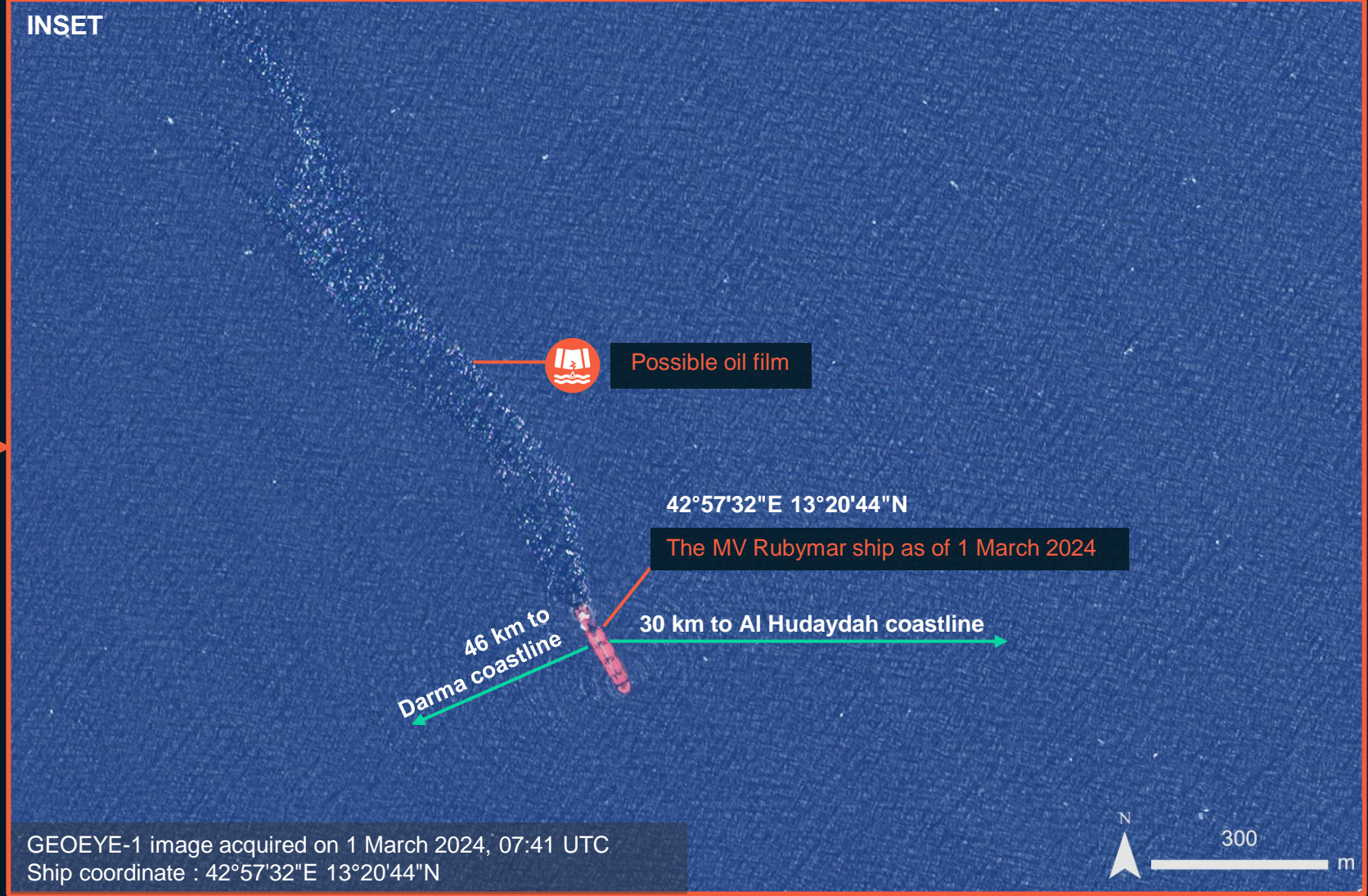
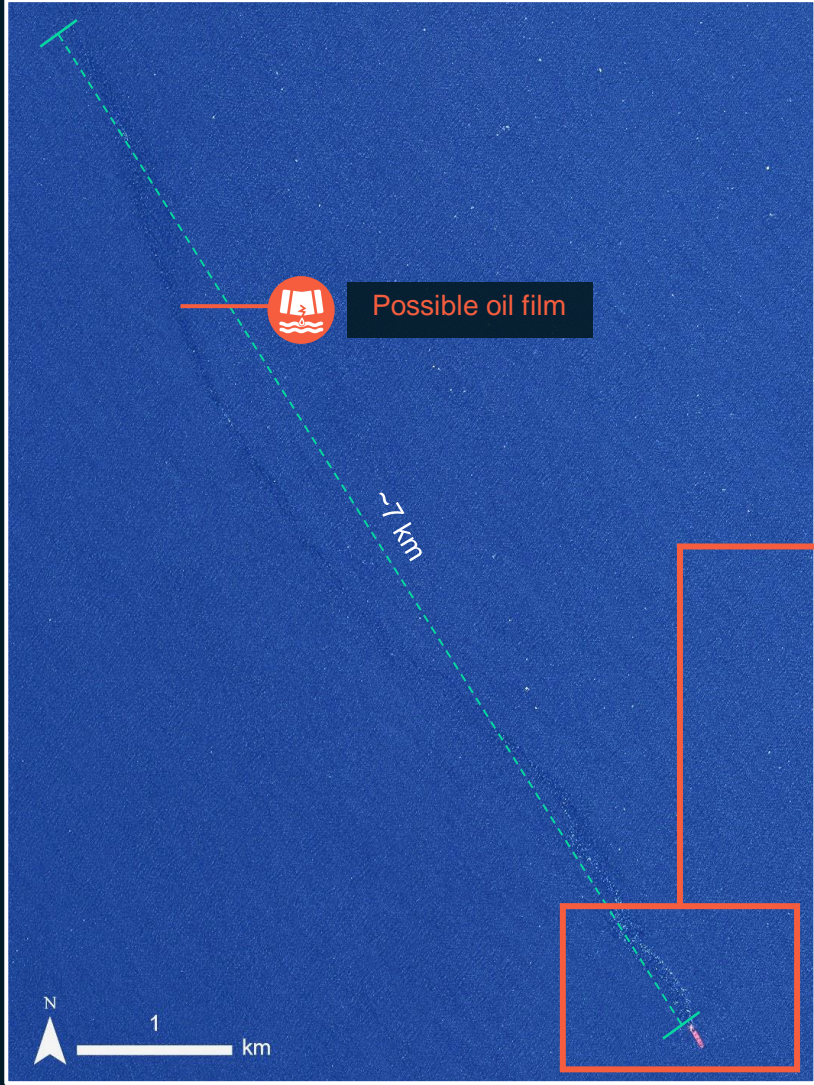
THE MV RUBYMAR SHIP LOCATION IN BAB AL-MANDAB STRAIT, SOUTHERN RED SEA



CBERS-4a (MUX) image acquired on 19 February 2024, SKY images acquired on 20 and 22 Feb. 2024, Planet image acquired on 23 Feb. 2024, Sentinel-2 image acquired on 24 Feb. 2024, and GEOEYE-1 acquired on 1 Mar. 2024
 Central image: 43°4'49"E 13°9'53"N

BAB AL-MANDAB STRAIT, SOUTHERN RED SEA

Possible floating oil film



SUMMARY OF FINDINGS

- The MV Rubymar ship is observed in the Bab al-Mandab Strait, about 30 km west of the Yemeni city of Al Hudaydah, and about 46 km northeast of the coastal line of Darma in Eritrea as of March 1st, 2024;
- Between February 19th and 25th, 2024, the ship moved northward by more than 50km as of March 1st, 2024.
- Possible floating oil film caused by the damaged MV Rubymar ship is observed in the Bab al-Mandab Strait as of 1st March 2024.

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Data sources:

(1) Satellite Image (Post-event): CBERS-4a Satellite
Acquisition date : 19 February 2024
Resolution: 16 m
Copyright: (2024) INPE
Source: INPE

(2) Satellite Image (Post-event): SkySat 8
Acquisition date : 20 and 22 February 2024
Resolution: 50 cm
Copyright: © Planet Labs Inc. (2024)
Source: USGS / HDDS

(3) Satellite Image (Post-event): Sentinel-2
Acquisition date : 24 February 2024
Resolution: 10 m
Copyright: Contains modified Copernicus Sentinel data [2024]
Source: ESA

(4) Satellite Image (Post-event): Planet
Acquisition date : 23 February 2024
Resolution: 3 m
Copyright: © Planet Labs Inc. (2024)
Source: USGS / HDDS

(5) Satellite Image (Post-event): Planet
Acquisition date : 1 March 2024
Resolution: 50 cm
Copyright: © 2024 Digital Globe
Source: USGS / HDDS

(6) Ancillary data
Administrative boundaries: OCHA ROSEA, FEWS, OCHA FISSNatural
EarthNatural Earth and Central Statistical Organization (CSO)
Populated place: OSM

Analysis: United Nations Satellite Centre (UNOSAT)
Production: United Nations Satellite Centre (UNOSAT)

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